



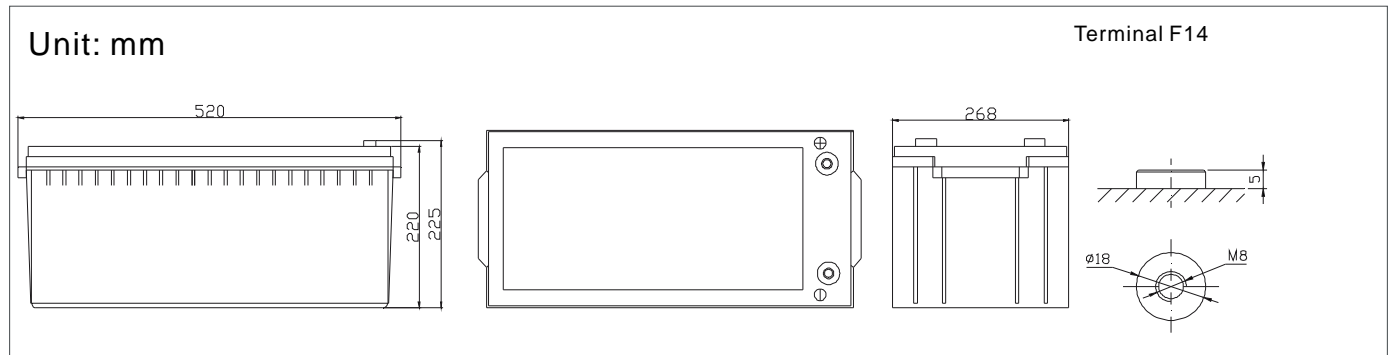
PR122600 is a general purpose battery with 5 years life in standby service, or more than 260 cycles at 100% D.O.D by cyclic use. As with all PROSTAR batteries, all PR models are rechargeable, highly efficient, leak proof and maintenance free.

Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	260.0Ah@20hr-rate to 1.75V per cell @25?
Weight	Approx.74Kg
Max. Discharge Current	1300A(5 sec)
Internal Resistance A	Approx. 4m?
Operating Temperature Range	Discharge: -20? ~60? Charge: 0? ~50? Storage: -20? ~60?
Normal Operating Temperature Range	25? ±5?
Float charging Voltage	13.6 to 13.8VDC/unit Average at 25?
Recommended Maximum Charging Current Limit	78A
Equalization and Cycle Service	14.4 to 15.0VDC/unit Average at 25?
Self Discharge	PROSTAR batteries can be stored for more than 6 months at 25? . Please charge batteries before using. For higher temperature, the time interval will be shorter.
Terminal	Terminal F14
Container Material	A.B.S. (UL94-HB) Flammability resistance of UL94-V2 can be available upon request



Dimensions



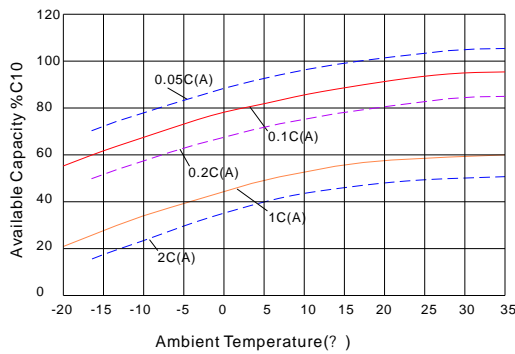
Constant Current Discharge Characteristics Unit: A(25?)

F.V/Time	5M N	10M N	15M N	30M N	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	972	697	507	299	169	104	67 9	56 2	44 2	32 0	27 0	14 3
10.0V	946	663	497	294	168	103	67 6	55 9	43 9	31 7	26 8	14 0
10.2V	892	640	489	291	167	102	67 1	55 6	43 7	31 5	26 5	13 8
10.5V	801	590	465	284	165	101	66 8	55 1	43 2	31 2	26 3	13 5
10.8V	723	538	429	272	161	100	65 0	53 8	42 4	30 7	26 0	13 3
11.1V	629	481	385	255	153	95	62 1	51 2	40 6	29 4	25 2	12 5

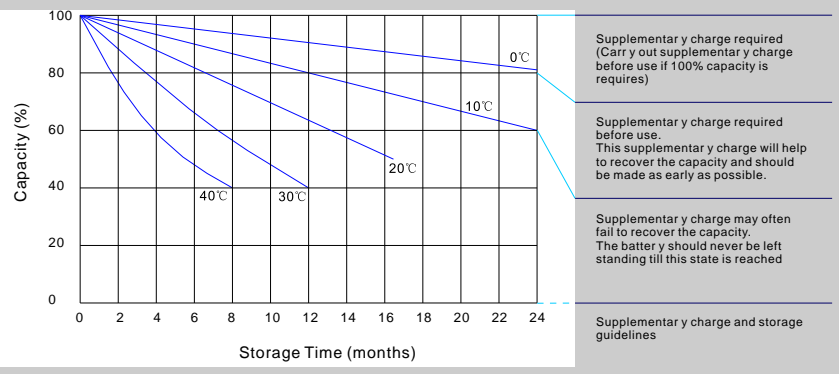
Constant Power Discharge Characteristics Unit: W(25?)

F.V/Time	5M N	10M N	15M N	30M N	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	1743	1275	939	562	322	199	131	108	85 3	61 9	50 7	26 8
10.0V	1708	1248	919	555	321	198	130	108	84 8	61 6	50 2	26 5
10.2V	1612	1177	907	549	318	196	129	107	84 5	61 1	49 9	26 3
10.5V	1452	1088	865	536	315	194	129	107	83 7	60 6	49 4	26 0
10.8V	1306	987	794	512	307	192	126	104	82 4	59 3	48 9	25 7
11.1V	1127	877	709	480	291	183	119	99	78 3	57 2	47 3	24 7

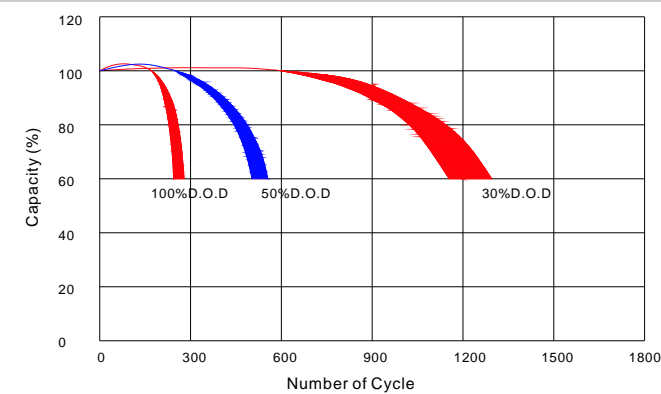
Temperature effects curve



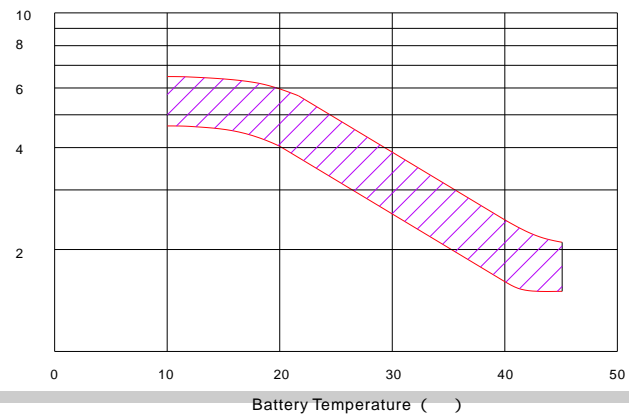
Storage characteristic



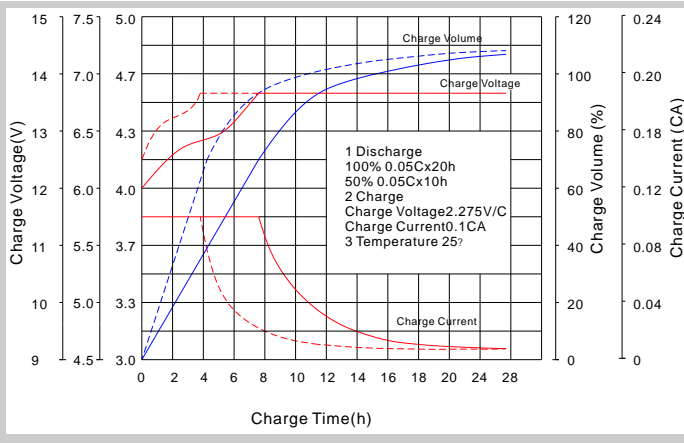
Life characteristics of cyclic use



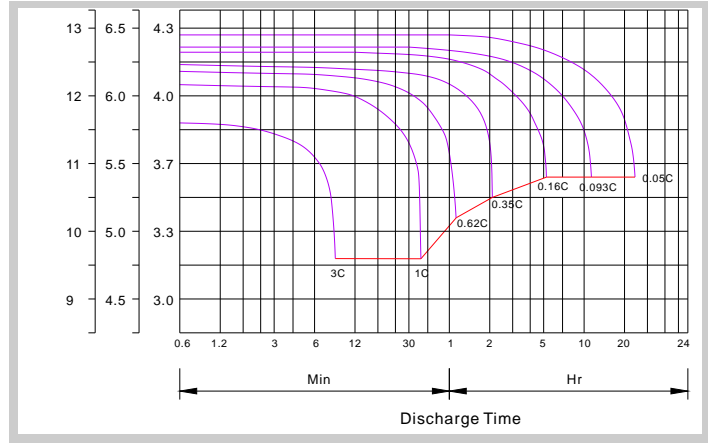
Effect of temperature on long term float life



Charge characteristic Curve for standby use



Discharge characteristic curve



Charging Procedures

Application	Charge Voltage (V)			Max. Charge Current
	Temperature	Set point	Allowable range	
Cycle Use	25°	14.7	14.4~15.0	0.3C
Standby	25°	13.7	13.6~13.8	0.3C

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75V	1.70V	1.60V
Discharge Current (A)	(A)<0.20C	0.20C<(A)<1.0C	(A)>1.0C

Charge the batteries at least once every six months, if they are stored at 25° .

Charging Method:

Constant Voltage	-0.2C+14.4~15.0V,24h,Max. Current 0.3CA
Constant Current	-0.2Cx2h+0.1CAx12h
Fast	-0.2Cx2h+0.3CAx4.0h

Charging Procedures(6V series)

Application	Charge Voltage (V)			Max. Charge Current
	Temperature	Set point	Allowable range	
Cycle Us	25°	7.35	7.25~7.45	0.3C
Standby	25°	6.85	6.8~6.9	0.3C